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# 4



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## RAW SEQUENCE LISTING

DATE: 05/06/2002

PATENT APPLICATION: US/09/974,685A

TIME: 10:51:25

Input Set : N:\Cr3\RULE60\09974685A.raw

Output Set: N:\CRF3\05062002\I974685A.raw

```

1 <110> APPLICANT: Nerenberg, Michael I.
2   Edman, Carl F.
3 <120> TITLE OF INVENTION: ELECTRONICALLY MEDIATED NUCLEIC ACID
4   AMPLIFICATION IN NASBA
5 <130> FILE REFERENCE: 238/072
7 <140> CURRENT APPLICATION NUMBER: 09/974,685A
8 <141> CURRENT FILING DATE: 2001-10-09
10 <150> PRIOR APPLICATION NUMBER: US/09/290,338
11 <151> PRIOR FILING DATE: 1999-04-12
13 <160> NUMBER OF SEQ ID NOS: 62
14 <170> SOFTWARE: FastSEQ for Windows Version 3.0
16 <210> SEQ ID NO: 1
17 <211> LENGTH: 20
18 <212> TYPE: DNA
19 <213> ORGANISM: conserved 16S bacterial sequence
20 <400> SEQUENCE: 1
21
   caaatgaatt gacgggggcc
23 <210> SEQ ID NO: 2
24 <211> LENGTH: 15
25 <212> TYPE: DNA
26 <213> ORGANISM: conserved 16S bacterial sequence
27 <400> SEQUENCE: 2
28
   aagggttgcg ctcgt
30 <210> SEQ ID NO: 3
31 <211> LENGTH: 40
32 <212> TYPE: DNA
33 <213> ORGANISM: conserved 16S bacterial sequence
34 <400> SEQUENCE: 3
35
   accgcacga atgcatgtcc tcgggtgcat gtggtttaat
37 <210> SEQ ID NO: 4
38 <211> LENGTH: 41
39 <212> TYPE: DNA
40 <213> ORGANISM: conserved 16S bacterial sequence
41 <400> SEQUENCE: 4
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44 <210> SEQ ID NO: 5
45 <211> LENGTH: 20
46 <212> TYPE: DNA
47 <213> ORGANISM: human
48 <400> SEQUENCE: 5

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ENTERED

40

41

49

actacagtga cgtggacatc

51 <210> SEQ ID NO: 6

52 <211> LENGTH: 20

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Input Set : N:\Crif3\RULE60\09974685A.raw

Output Set: N:\CRF3\05062002\I974685A.raw

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53 <212> TYPE: DNA
54 <213> ORGANISM: human
55 <400> SEQUENCE: 6
56
   tgttatcaca ctggtgctaa
58 <210> SEQ ID NO: 7
59 <211> LENGTH: 42
60 <212> TYPE: DNA
61 <213> ORGANISM: human
62 <400> SEQUENCE: 7
63
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65 <210> SEQ ID NO: 8
66 <211> LENGTH: 42
67 <212> TYPE: DNA
68 <213> ORGANISM: human
69 <400> SEQUENCE: 8
70
   acgattcagc tccagacttc tcgggtaata cctgtattcc tc           42
72 <210> SEQ ID NO: 9
73 <211> LENGTH: 42
74 <212> TYPE: DNA
75 <213> ORGANISM: human
76 <400> SEQUENCE: 9
77
   acgattcagc tccagacttc tcgggtaata cctgtattcc tt           42
79 <210> SEQ ID NO: 10
80 <211> LENGTH: 18
81 <212> TYPE: DNA
82 <213> ORGANISM: human
83 <400> SEQUENCE: 10
84
   ctgtattcct cgcctgtc
86 <210> SEQ ID NO: 11
87 <211> LENGTH: 18
88 <212> TYPE: DNA
89 <213> ORGANISM: E. coli
90 <400> SEQUENCE: 11
91
   ctcatctctg aaaacttc
93 <210> SEQ ID NO: 12
94 <211> LENGTH: 18
95 <212> TYPE: DNA
96 <213> ORGANISM: Shigella dysenteriae
97 <400> SEQUENCE: 12
98
   cgtatctcta caaggttc
100 <210> SEQ ID NO: 13
101 <211> LENGTH: 18
102 <212> TYPE: DNA
103 <213> ORGANISM: Salmonella typhimurium
104 <400> SEQUENCE: 13
105

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tccatctctg gattcttc  
107 <210> SEQ ID NO: 14  
108 <211> LENGTH: 18  
109 <212> TYPE: DNA

## RAW SEQUENCE LISTING

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TIME: 10:51:25

Input Set : N:\Crif3\RULE60\09974685A.raw

Output Set: N:\CRF3\05062002\I974685A.raw

110 <213> ORGANISM: Camphylobacter Jejuni  
 111 <400> SEQUENCE: 14  
 112  
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 114 <210> SEQ ID NO: 15  
 115 <211> LENGTH: 27  
 116 <212> TYPE: DNA  
 117 <213> ORGANISM: conserved 16S bacterial sequence  
 118 <400> SEQUENCE: 15  
 119  
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 121 <210> SEQ ID NO: 16  
 122 <211> LENGTH: 50  
 123 <212> TYPE: DNA  
 124 <213> ORGANISM: human T-cell leukemia virus-1  
 125 <400> SEQUENCE: 16  
 126  
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 128 <210> SEQ ID NO: 17  
 129 <211> LENGTH: 23  
 130 <212> TYPE: DNA  
 131 <213> ORGANISM: human T-cell leukemia virus-1  
 132 <400> SEQUENCE: 17  
 133  
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 135 <210> SEQ ID NO: 18  
 136 <211> LENGTH: 30  
 137 <212> TYPE: DNA  
 138 <213> ORGANISM: human T-cell leukemia virus-1  
 139 <400> SEQUENCE: 18  
 140  
 ttcttttcgg ataccagtc tacgtgtttg  
 142 <210> SEQ ID NO: 19  
 143 <211> LENGTH: 23  
 144 <212> TYPE: DNA  
 145 <213> ORGANISM: human T-cell leukemia virus-1  
 146 <400> SEQUENCE: 19  
 147  
 acttcccagg gtttggacag agt  
 149 <210> SEQ ID NO: 20  
 150 <211> LENGTH: 42  
 151 <212> TYPE: DNA  
 152 <213> ORGANISM: human  
 153 <400> SEQUENCE: 20  
 154  
 accgcacga atgcatgtcc tcgggtctct gggctaata ga  
 156 <210> SEQ ID NO: 21  
 157 <211> LENGTH: 42  
 158 <212> TYPE: DNA  
 159 <213> ORGANISM: human  
 160 <400> SEQUENCE: 21  
 161  
 acgattcagc tccagacttc tcgggtcaga atttctgaaa gg

50

42

42

163 <210> SEQ ID NO: 22  
164 <211> LENGTH: 20  
165 <212> TYPE: DNA  
166 <213> ORGANISM: human

## RAW SEQUENCE LISTING

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TIME: 10:51:25

Input Set : N:\Crif3\RULE60\09974685A.raw

Output Set: N:\CRF3\05062002\I974685A.raw

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167 <400> SEQUENCE: 22
168
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170 <210> SEQ ID NO: 23
171 <211> LENGTH: 20
172 <212> TYPE: DNA
173 <213> ORGANISM: human
174 <400> SEQUENCE: 23
175
  tgttatcaca ctggtgctaa
177 <210> SEQ ID NO: 24
178 <211> LENGTH: 18
179 <212> TYPE: DNA
180 <213> ORGANISM: human
181 <400> SEQUENCE: 24
182
  ctgtattcct cgcctgtc
184 <210> SEQ ID NO: 25
185 <211> LENGTH: 42
186 <212> TYPE: DNA
187 <213> ORGANISM: Chlamydia trachomatis
188 <400> SEQUENCE: 25
189
  cacgtagtca atgcatgtcc tcgggtacaa catcaacacc tg
191 <210> SEQ ID NO: 26
192 <211> LENGTH: 42
193 <212> TYPE: DNA
194 <213> ORGANISM: Chlamydia trachomatis
195 <400> SEQUENCE: 26
196
  acgattcagc tccagacttc tcgggtgaga ctgttaaaga ta
198 <210> SEQ ID NO: 27
199 <211> LENGTH: 17
200 <212> TYPE: DNA
201 <213> ORGANISM: Chlamydia trachomatis
202 <400> SEQUENCE: 27
203
  cagcaaataa tccttg
205 <210> SEQ ID NO: 28
206 <211> LENGTH: 19
207 <212> TYPE: DNA
208 <213> ORGANISM: Chlamydia trachomatis
209 <400> SEQUENCE: 28
210
  cattggttga tggattatt
212 <210> SEQ ID NO: 29
213 <211> LENGTH: 15
214 <212> TYPE: DNA
215 <213> ORGANISM: Chlamydia trachomatis
216 <400> SEQUENCE: 29
217
  gtcgcagcca aaatg
219 <210> SEQ ID NO: 30

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220 <211> LENGTH: 16  
221 <212> TYPE: DNA  
222 <213> ORGANISM: Chlamydia trachomatis  
223 <400> SEQUENCE: 30



## RAW SEQUENCE LISTING

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TIME: 10:51:25

Input Set : N:\Crif3\RULE60\09974685A.raw

Output Set: N:\CRF3\05062002\I974685A.raw

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224
  ttccatcaga agctgt
226 <210> SEQ ID NO: 31
227 <211> LENGTH: 42
228 <212> TYPE: DNA
229 <213> ORGANISM: human
230 <400> SEQUENCE: 31
231
  cacgtagtca atgcatgtcc tcgggtataa ccttggtgt ac          42
233 <210> SEQ ID NO: 32
234 <211> LENGTH: 42
235 <212> TYPE: DNA
236 <213> ORGANISM: human
237 <400> SEQUENCE: 32
238
  acgattcagc tccagacttc tcgggtgctc tcatcagtca ca          42
240 <210> SEQ ID NO: 33
241 <211> LENGTH: 19
242 <212> TYPE: DNA
243 <213> ORGANISM: human
244 <400> SEQUENCE: 33
245
  tgaaggataa gcagccaat
247 <210> SEQ ID NO: 34
248 <211> LENGTH: 19
249 <212> TYPE: DNA
250 <213> ORGANISM: human
251 <400> SEQUENCE: 34
252
  ctctctctcaa cccccaata
254 <210> SEQ ID NO: 35
255 <211> LENGTH: 18
256 <212> TYPE: DNA
257 <213> ORGANISM: human
258 <400> SEQUENCE: 35
259
  agatatacgt gccaggtg
261 <210> SEQ ID NO: 36
262 <211> LENGTH: 18
263 <212> TYPE: DNA
264 <213> ORGANISM: human
265 <400> SEQUENCE: 36
266
  ctgatccagg cctgggtg
268 <210> SEQ ID NO: 37
269 <211> LENGTH: 45
270 <212> TYPE: DNA
271 <213> ORGANISM: Salmonella
272 <400> SEQUENCE: 37
273
  aattccgcat gagctgggta atgttggtact gtagtaatgc tctgc          45
275 <210> SEQ ID NO: 38
276 <211> LENGTH: 70

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277 <212> TYPE: DNA

278 <213> ORGANISM: Salmonella

279 <400> SEQUENCE: 38

280 cctatcaatt tacctactaa atcacgatta tcccctagag tcatgtgggc tcttcagacc

60

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/09/974,685A

DATE: 05/06/2002  
TIME: 10:51:26

Input Set : N:\Crif3\RULE60\09974685A.raw  
Output Set: N:\CRF3\05062002\I974685A.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 21  
Seq#:2; Line(s) 28  
Seq#:3; Line(s) 35  
Seq#:4; Line(s) 42  
Seq#:5; Line(s) 49  
Seq#:6; Line(s) 56  
Seq#:7; Line(s) 63  
Seq#:8; Line(s) 70  
Seq#:9; Line(s) 77  
Seq#:10; Line(s) 84  
Seq#:11; Line(s) 91  
Seq#:12; Line(s) 98  
Seq#:13; Line(s) 105  
Seq#:14; Line(s) 112  
Seq#:15; Line(s) 119  
Seq#:16; Line(s) 126  
Seq#:17; Line(s) 133  
Seq#:18; Line(s) 140  
Seq#:19; Line(s) 147  
Seq#:20; Line(s) 154  
Seq#:21; Line(s) 161  
Seq#:22; Line(s) 168  
Seq#:23; Line(s) 175  
Seq#:24; Line(s) 182  
Seq#:25; Line(s) 189  
Seq#:26; Line(s) 196  
Seq#:27; Line(s) 203  
Seq#:28; Line(s) 210  
Seq#:29; Line(s) 217  
Seq#:30; Line(s) 224  
Seq#:31; Line(s) 231  
Seq#:32; Line(s) 238  
Seq#:33; Line(s) 245  
Seq#:34; Line(s) 252  
Seq#:35; Line(s) 259  
Seq#:36; Line(s) 266  
Seq#:37; Line(s) 273  
Seq#:38; Line(s) 280,281  
Seq#:39; Line(s) 288  
Seq#:40; Line(s) 295  
Seq#:41; Line(s) 302  
Seq#:42; Line(s) 309  
Seq#:43; Line(s) 316

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/09/974,685A

DATE: 05/06/2002  
TIME: 10:51:26

Input Set : N:\Crf3\RULE60\09974685A.raw  
Output Set: N:\CRF3\05062002\I974685A.raw

Seq#:44; Line(s) 323  
Seq#:45; Line(s) 330  
Seq#:46; Line(s) 337,338  
Seq#:47; Line(s) 345  
Seq#:48; Line(s) 352,353  
Seq#:49; Line(s) 360  
Seq#:50; Line(s) 367,368  
Seq#:51; Line(s) 375  
Seq#:52; Line(s) 382,383  
Seq#:53; Line(s) 390  
Seq#:54; Line(s) 397,398  
Seq#:55; Line(s) 405  
Seq#:56; Line(s) 412,413  
Seq#:57; Line(s) 420  
Seq#:58; Line(s) 427,428  
Seq#:59; Line(s) 435  
Seq#:60; Line(s) 442,443  
Seq#:61; Line(s) 450  
Seq#:62; Line(s) 457

**VERIFICATION SUMMARY**

DATE: 05/06/2002

PATENT APPLICATION: US/09/974,685A

TIME: 10:51:26

Input Set : N:\Crf3\RULE60\09974685A.raw

Output Set: N:\CRF3\05062002\I974685A.raw